Biological Sciences - Group 9 – Task 1

**Reptiles and Aves**

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| **Animal Class** | **Description** | **Details** |
| [http://sciencecastle.com/sc/app/webroot/img/animals/birds.jpg](http://sciencecastle.com/sc/index.php/animalspecies/showgroups/2) | [**Birds**](http://sciencecastle.com/sc/index.php/animalspecies/showgroups/2)  All birds have feathers and are born out of hard-shelled eggs. The feathers on a bird’s wings and tail overlap. Because they overlap, the feathers catch and hold the air. This helps the bird to fly, steer itself, and land. | Phylum: Chordata Class: Aves Orders: 29 Families: 194 Genera: 2161 Species: 9721 [show orders](http://sciencecastle.com/sc/index.php/animalspecies/showgroups/2) |
| [http://sciencecastle.com/sc/app/webroot/img/animals/reptiles.jpg](http://sciencecastle.com/sc/index.php/animalspecies/showgroups/4) | [**Reptiles**](http://sciencecastle.com/sc/index.php/animalspecies/showgroups/4)  Reptiles are a class of animal with scaly skin. They are cold blooded and are born on land. | Phylum: Chordata Class: Reptilia Orders: 4 Families: 60 Genera: 1012 Species: 8163 [show orders](http://sciencecastle.com/sc/index.php/animalspecies/showgroups/4) |

Scientists teach that birds evolved from reptiles. Although birds and reptiles appear very different on the outside, both species lay eggs. Reptiles are a diverse species in that various reptiles do not closely resemble each other. Reptiles include alligators, crocodiles, lizards, snakes and turtles. However, despite evolving from reptiles, birds and reptiles have many differences.

Archaeopteryx was a transitional form between birds and reptiles:

<http://www.ucmp.berkeley.edu/diapsids/birds/archaeopteryx.html>

**Oviparous:** young ones hatch out of eggs laid by them.

**Viviparous:** directly give birth to young ones.

<http://www.ehow.com/list_6782814_differences-between-reptiles-birds.html>

<http://schools.dublin.k12.ca.us/Dhs/depts/Biology%20textbook/chap29.pdf>

<http://nationalzoo.si.edu/Publications/ZooGoer/2005/3/birdevolution.cfm>

[Facts about reptiles](http://animals.about.com/od/reptiles/a/tenfactsreptiles.htm)

[Facts about aves](http://animals.about.com/od/birds/p/birds.htm)